

CHROMATOGRAPHY COLUMNS

ABSTRACT OF THE DISCLOSURE

A chromatography column suitable for small-scale laboratory use as a column tube resembling that of a syringe  
5 and a movable plunger which slides in the column tube. end  
filter arrangements are mounted by direct integration, e.g.  
melt-bonding of glass, into these components. A tubular  
stem providing an internal flow conduit to the end filter  
arrangement at the front end of the plunger is also  
10 integrally bonded behind the permeable filter portion. By  
making all of these operational components out of a  
formable, melt-bondable material, preferably glass which can  
also make sliding seals with itself, the resulting  
chromatography column is simple to use and unlikely to leak  
15 by comparison with conventional laboratory columns which use  
many discrete components.